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|--|--|---|--|---|--|--------------------------------|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | | 1. CONTRACT ID CODE | | PAGE 1 OF 2 PAGES | |
| 2. AMENDMENT/MODIFICATION NO. M103 | | 3. EFFECTIVE DATE See Block 16C | | 4. REQUISITION/PURCHASE REQ. NO. | | 5. PROJECT NO. (If applicable) | |
| 6. ISSUED BY U.S. Department of Energy National Nuclear Security Administration Service Center Property and M&O Contract Support Department P.O. Box 5400 Albuquerque, NM 87185-5400 | | | | 7. ADMINISTERED BY (If other than Item 6) CODE U.S. Department of Energy National Nuclear Security Administration Manager, Pantex Site Office P.O. Box 30030 Amarillo, TX 79120 | | | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, state, ZIP Code) BWXT Pantex, LLC Route 726, Mt. Athos Road Lynchburg, VA 24506 | | | | 9A. AMENDMENT OF SOLICITATION NO. | | | |
| | | | | 9B. DATED (SEE ITEM 11) | | | |
| | | | | 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC04-00AL68620 | | | |
| | | | | 10B. DATED (SEE ITEM 13) July 28, 2000 | | | |
| CODE | | FACILITY CODE | | | | | |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS | | | | | | | |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. | | | | | | | |
| Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. | | | | | | | |
| 12. ACCOUNTING AND APPROPRIATION DATA (If required) | | | | | | | |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS; IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14. | | | | | | | |
| A. THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify authority): THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. | | | | | | | |
| B. THE ABOVE-NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (Such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). | | | | | | | |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: | | | | | | | |
| D. OTHER (Specify type of modification and authority): X Contract Clause I.120, "Laws, Regulations, and DOE Directives" | | | | | | | |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return ____ copies to the issuing office. | | | | | | | |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) This modification deletes Appendix E, "List of Applicable Directives," dated December 21, 2005, that is currently in Section J of the Contract and replaces it with Attachment 1, Appendix E, "List of Applicable Directives," dated February 16, 2006. | | | | | | | |
| Except as provided herein, all terms and conditions of the document referenced in Items 9A or 10A, as heretofore changed, remains unchanged and in full force and effect. | | | | | | | |
| 15A. NAME AND TITLE OF SIGNER (Type or print) | | | | 6A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Marc T. McCusker | | | |
| 15B. CONTRACTOR/OFFEROR | | 15C. DATE SIGNED | | 6B. UNITED STATES OF AMERICA | | 16C. DATE SIGNED | |
| BY _____ (Signature of person authorized to sign) | | | | BY  (Signature of Contracting Officer) | | 2/16/06 | |
| NSN 754-01-152-8070 PREVIOUS EDITION UNUSABLE MS () | | | | 30-10; STANDARD FORM 30 (REV. 10-83) temp03.dot Prescribed by GSA FAR (48 CFR) 53.243 | | | |

PART III - LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS
 SECTION J – LIST OF ATTACHMENTS

APPENDIX E – LIST OF APPLICABLE DIRECTIVES

February 16, 2006

Pursuant to the contract clause entitled “Laws, Regulations, and DOE Directives,” the following list of directives is applicable to this contract. Environmental, Safety, and Health (ES&H) requirements for work conducted under this contract have been incorporated into this Appendix using a DOE-approved tailored process, Contractor-prepared document entitled “Management Integration & Controls Document” (MIC), which is BWXT’s Integrated Safety Management System Description.

List A

Pursuant to DEAR 970.5204-2(a) the contractor shall comply with the requirements of applicable Federal, State, and local laws and regulations, unless relief has been granted in writing by the appropriate regulatory agency. Omission of any applicable law or regulation from this list does not affect the obligation of the contractor to comply with such law or regulation.

| Laws & Regulations | Title |
|-------------------------------|---|
| 10 CFR 830 | Nuclear Safety Management |
| 10 CFR 852 | Guidelines for Physician Panel Determination on Worker Requests for Assistance in Filing for State Workers’ Compensation Benefits |
| 10 CFR 1046 | Physical Protection of Security Interests |
| 48 CFR 45.509-1 | Contractor’s Maintenance Program |

List B

Pursuant to DEAR 970.5204(b) the contractor shall comply with the requirements of these Department of Energy directives, or parts thereof, as identified.

| Directive | Title | Full (F) Partial (P) Incorporation |
|------------------|--|---|
| MIC-1000 | Management, Integration & Controls Document, Issue 11 | F |
| HC-2100 | Fire Protection Section of the Hazards Control Standards/Requirement Identification Document (S/RIDS), Issue 05, Change 2 | F |
| HC-2210 | Radiation Protection Section of the Hazards S/RID, Revision 3 | F |

| Directive | Title | Full (F) Partial (P) Incorporation |
|-----------------|--|--|
| HC-2220 | Criticality Safety Section of the Hazards Control S/RIDS, Revision 5 | F |
| HC-2300 | Occupational Safety and Health Section of the Hazards Control S/RID, Issue 04 | F |
| HC-2500 | Offsite Packaging & Transportation Section of the Hazards Control S/RIDS, Revision 4 | F |
| HC-2600 | On-Site Packaging and Transfer Section of the Hazards Control S/RID, Revision 00, Change 1 | F |
| MS-3100 | Emergency Management Section of the Mission Support S/RID, Issue 04 | F |
| MS-3210 | Facility Engineering and Construction Section of the Mission Support S/RID, Issue 04 | F |
| MS-3300 | Maintenance Section of the Mission Support S/RID, Issue 04 | F |
| MS-3400 | Environmental Management Section of the Mission Support S/RID, Issue 05 | F |
| O 110.3 | Conference Management | F |
| O 130.1 | Budget Formulation Process | F |
| O 135.1 | Budget Execution - Funds Distribution and Control | F |
| M 135.1-1 | Budget Execution Manual | F |
| M 140.1-1B | Interface with the Defense Nuclear Facilities Safety Board (DNFSB) | P |
| O 142.1 | Classified Visits Involving Foreign Nationals | F |
| O 142.3 | Unclassified Foreign Visits and Assignments Program | F |
| O 151.1B | Comprehensive Emergency Management System | F |
| M 200.1-1 | Telecommunications Security Manual | F |
| O 205.1 | Department of Energy Cyber Security Management Program | F |
| N 205.2 | Foreign National Access to DOE Cyber Systems | F |
| N 205.3 | Password Generation, Protection, and Use | F |
| N 206.3 | Personal Identity Verification | F |
| O 221.1 | Reporting Fraud, Waste, and Abuse to the Office of Inspector General | F |
| O 221.2 | Cooperation with the Office of Inspector General | F |
| O 221.3 | Establishment of Management Decisions on Office of Inspector General Reports | F |
| O 226.1 | Implementation of Department of Energy Oversight Policy | F |
| O 241.1A | Scientific and Technical Information Management | F |
| O 251.1A | Directives System | F |

| Directive | Title | Full (F) Partial (P) Incorporation |
|-------------------------|---|---|
| M 251.1-1A | Directives System Manual | F |
| O 341.1 | Federal Employee Health Services PXSO Contracting Officer Approval Memo, February 9, 2004 | P |
| O 350.1 | Contractor Human Resource Management Programs | F |
| O 350.2A | Use of Management and Operating or Other Facility Management Contractor Employees for Services to DOE in the Washington, D.C. Area | F |
| O 412.1A | Work Authorization System | F |
| O 413.1A | Management Control Program | F |
| O 414.1C | Quality Assurance | P |
| O 420.1A | Facility Safety | P |
| G 420.1-1 | Nonreactor Nuclear Safety Design Criteria and Explosive Safety Criteria Guide for use with DOE O 420.1 Facility Safety | P |
| O 430.1B | Real Property Asset Management | P |
| O 433.1 | Maintenance Management Program for DOE Nuclear Facilities | F |
| O 440.1A | Worker Protection Management for DOE Federal and Contractor Employees | P |
| M 440.1-1 | DOE Explosives Safety Manual | P |
| G 440.1-5 | Fire Safety Program for use with DOE O 420.1 and DOE O 440.1 (G-420.1/B-0 G-440.1/E-0) | P |
| O 442.1A | Department of Energy Employee Concerns Program | F |
| O 450.1 | Environmental Protection Program | F |
| P 450.4 | Safety Management System Policy | F |
| P 450.7 | Department of Energy Environment, Safety and Health (ES&H) Goals | F |
| O 452.2B | Safety of Nuclear Explosive Operations | P |
| AL SD 452.2B | Safety of Nuclear Explosive Operations | P |
| O 452.3 | Management of the Department of Energy Nuclear Weapons Complex | F |
| M 452.4-1A | Protection of Use Control Vulnerabilities and Designs (Note: See PXSO Memorandum dated May 9, 2005) | P |
| O 460.1B | Packaging and Transportation Safety (Note: See the Offsite Packaging and Transportation Section of the Hazards Control S/RID for implementation of Order for Offsite Packaging and Transportation Program.) | P |

| Directive | Title | Full (F) Partial (P) Incorporation |
|------------|--|--|
| O 460.2A | Departmental Materials Transportation and Packaging Management (Note: See the Offsite Packaging and Transportation Section of the Hazards Control S/RID for Implementation of Order for Offsite Packaging and Transportation Program) | P |
| O 461.1A | Packaging and Transfer or Transportation of Materials of National Security Interest (Note: See the Onsite Packaging & Transfer Section of the Hazards Control Standard/Requirements Identification Document S/RID for Implementation of Order for Onsite Packaging and Transportation Program) | P |
| M 461.1-1 | Packaging and Transfer or Transportation of Materials of National Security Interest Manual (Note: See the Onsite Packaging & Transfer Section of the Hazards Control Standard/Requirements Identification Document S/RID for Implementation of Manual for Onsite Packaging and Transportation Program) | P |
| P 470.1 | Integrated Safeguards and Security Management (ISSM) Policy | P |
| O 470.1 | Safeguard and Security Program | F |
| M 470.1-1 | Safeguards and Security Awareness Program | F |
| O 470.2B | Independent Oversight and Performance Assurance Program | F |
| O 470.3 | Design Basis Threat | F |
| O 471.1A | Identification and Protection of Unclassified Controlled Nuclear Information | F |
| M 471.1-1 | Identification and Protection of Unclassified Controlled Nuclear Information Manual | F |
| O 471.2A | Information Security Program | F |
| M 471.2-1B | Classified Matter Protection and Control Manual (Chapter III paragraphs 1 and 2, and Chapter IV) | F |
| M 471.2-1C | Classified Matter Protection and Control Manual | F |
| M 471.2-2 | Classified Information Systems Security Manual | F |
| M 471.2-4 | Technical Surveillance Countermeasures Manual (TSCM) | F |
| O 471.3 | Identifying and Protecting Official Use Only Information | F |
| M 471.3-1 | Manual for Identifying and Protecting Official Use Only Information | F |
| O 471.4 | Incidents of Security Concern | F |
| O 472.1C | Personnel Security Activities | F |
| O 473.1 | Physical Protection Program (PXSO Contracting Officer Approval Memo, February 10, 2004) | P |
| M 473.1-1 | Physical Protection Program Manual (PXSO Contracting Officer Approval Memo, February 10, 2004) | P |
| O 473.2 | Protective Force Program | P |

| Directive | Title | Full (F) Partial (P) Incorporation |
|--------------------------|--|--|
| M 473.2-1A | Firearms Qualification Courses Manual | F |
| M 473.2-2 | Protective Force Program Manual | P |
| N 473.9 | Security Conditions | F |
| O 474.1A | Control and Accountability of Nuclear Materials | F |
| M 474.1-1B | Manual for Control and Accountability of Nuclear Materials | F |
| M 474.1-2A | Nuclear Materials Management & Safeguards System Reporting & Data Submission | P |
| O 475.1 | Counterintelligence Program | F |
| M 475.1-1A | Identifying Classified Information | F |
| O 481.1B | Work For Others (Non-Department of Energy Funded Work) | F |
| M 481.1-1 | Reimbursable Work For Non-Federal Sponsors Process Manual | F |
| N 481.1A | Reimbursable Work for Department of Homeland Security | F |
| O 482.1 | DOE Facilities Technology Partnering Programs | F |
| O 483.1 | DOE Cooperative Research and Development Agreements | F |
| M 483.1-1 | DOE Cooperative Research and Development Agreements Manual | F |
| O 522.1 | Pricing of Departmental Materials and Services | F |
| O 534.1B | Accounting | F |
| O 551.1B | Official Foreign Travel | F |
| O 1220.1A | Congressional and Intergovernmental Affairs | F |
| O 1340.1B | Management of Public Communications Publications and Scientific, Technical, and Engineering Publications | F |
| O 1350.1 | Audiovisual and Exhibits Management | F |
| O 1450.4 | Consensual Listening-In to or Recording Telephone/Radio Conversations | F |
| O 2300.1B | Audit Resolution and Follow-Up | F |
| O 5480.19 | Conduct of Operations Requirements for DOE | P |
| O 5480.20A | Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities | P |
| O 5530.1A | Accident Response Group | P |
| O 5530.3 | Radiological Assistance Program | P |
| O 5639.8A | Security of Foreign Intelligence Information and Sensitive Compartmented Information Facilities | F |
| O 5660.1B | Management of Nuclear Materials | P |
| DOE STD 1066-99 | Fire Protection Design Criteria | P |
| DOE STD 1090-2004 | Hoisting and Rigging | P |
| DOE STD 1186-2004 | Specific Administrative Controls | P |

| Directive | Title | Full (F) Partial (P) Incorporation |
|------------------------------------|--|---|
| DOE STD-3015-2004 | Nuclear Explosive Safety Study Process (Note: See Memo from Charles Westfall, Director Nuclear Explosive Safety Division, dated July 28, 2005, for interpretation of Education Requirements) | F |
| DOE Technical Manual 45-51D | Transportation of Nuclear Weapons Material | P |
| DOE | Memorandum: Clarification of Annual Visual Inspection of all Protected Transmission Systems (PTS) | F |
| DOE | Memorandum: Transmission Security Criteria for Marking Classified Lines | F |
| NNSA | NAP-9A, SECON Implementation | F |
| NNSA | NAP 14.1, NNSA Cyber Security Program (PXSO Contracting Officer Approval Memo, January 15, 2004) | P |
| NNSA | NAP 14.2, Baseline Cyber Security Requirements (PXSO Contracting Officer Approval Memo, January 15, 2004) | F |
| NNSA | NAP 14.3, NNSA Protection Profile and Security Target Requirements (PXSO Contracting Officer Approval Memo, January 15, 2004) | F |
| NNSA | NAP 14.4, Open Public Unrestricted Access Information Group Protection Profile (PXSO Contracting Officer Approval Memo, January 15, 2004) | P |
| NNSA | NAP 14.5, Unclassified Protected Information Group Protection Profile (PXSO Contracting Officer Approval Memo, January 15, 2004) | P |
| NNSA | NAP 14.6, Unclassified Mandatory Protection Information Group Protection Profile (PXSO Contracting Officer Approval Memo, January 15, 2004) | P |
| NNSA | NAP 14.7, Confidential Non-Nuclear Weapons Data Information Group Protection Profile (PXSO Contracting Officer Approval Memo, January 15, 2004) | P |
| NNSA | NAP 14.8, Secret Restricted Non-Nuclear Weapons Data Information Group Protection Profile (PXSO Contracting Officer Approval Memo, January 15, 2004) | F |
| NNSA | NAP 14.9, Confidential Restricted Data, Sigmas 1 thru 13 Information Group Protection Profile (PXSO Contracting Officer Approval Memo, January 15, 2004) | P |

| Directive | Title | Full (F) Partial (P) Incorporation |
|----------------------------------|---|---|
| NNSA | NAP 14.10, Secret Restricted Data, Sigmas 1 thru 13 Information Group Protection Profile (PXSO Contracting Officer Approval Memo, January 15, 2004) | P |
| NNSA | NAP 14.11, Secret Restricted Data, Sigmas 14 & 15 Information Group Protection Profile (PXSO Contracting Officer Approval Memo, January 15, 2004) | P |
| NNSA | BOP-003-0304R1, Coordination and Approval Process (CAP) of Contract Actions | P |
| WQSD | Quality Assurance Procedure (QAP) Manual, Revision 2, as published by the Weapon Quality & Surveillance Division (WQSD), NNSA NA-121.3 | F |
| ASME NUM-1- 2000 | Rules of Construction of Cranes, Monorails, and Hoists (With Bridge or Trolley or Hoist of the Underhung Type) | F |
| ANSI Z540-1- 1994 | American national Standard for Calibration – Calibration Laboratories and Measuring & Test Equipment – General Requirements | F |
| NFPA 1 | Fire Prevention Code (2003) | P |
| NFPA 10 | Standard for Portable Fire Extinguishers (2002) | P |
| NFPA 13 | Standard for the Installation of Sprinkler Systems (2002) | P |
| NFPA 15 | Standard for Water Spray Fixed Systems for Fire Protection (2001) | P |
| NFPA 17 | Standard for Dry Chemical Extinguishing Systems (2002) | P |
| NFPA 17A | Standard for Wet Chemical Extinguishing Systems (2002) | P |
| NFPA 20 | Standard for the Installation of Stationary Pumps for Fire Protection (2003) | P |
| NFPA 24 | Standard for the Installation of Private Fire Service mains and Their Appurtenances (2002) | P |
| NFPA 25 | Standard for the Inspection, Testing, and Maintenance of Water-Based Protection Systems (2002) | P |
| NFPA 30 | Flammable and Combustible Liquids Code (1998) | P |
| NFPA 51B | Standard for Fire Prevention During Welding, Cutting, and Other Hot Work (1998) | P |
| NFPA 52 | Compressed Natural Gas (CNG) Vehicular Fuel Systems Code (1998) | P |
| NFPA 54 | ANSI Z223.1-2002 National Fuel Gas Code (1998) | P |

| Directive | Title | Full (F) Partial (P) Incorporation |
|------------|---|--|
| NFPA 55 | Standard for the Storage, Use, and Handling of Compressed and Liquid Gases in Portable Cylinders (1998) | P |
| NFPA 58 | Liquefied Petroleum Gas Code (2001) | P |
| NFPA 70 | National Electrical Code ® (2002) | P |
| NFPA 72 | National Fire Alarm Code ® (2002) | P |
| NFPA 101 | Life Safety Code ® (2000) | P |
| NFPA 230 | Standard for the Fire Protection of Storage (1999) | P |
| NFPA 801 | Standard for Fire Protection For Facilities Handling Radioactive Material (1998) | P |
| NFPA 2001 | Standard on Clean Agent Fire Extinguishing Systems (2000) | P |
| Q9001-2000 | American National Standard – Quality Management Systems – Requirements | F |

List C

The following Department of Energy directives were considered and were determined to be “not applicable” or were considered to be covered in total as an equivalence to a higher level directive identified in List A or List B.

| Directive | Title | Equivalent To |
|-------------------|--|------------------|
| DOE STD-1187-2005 | Beryllium-Associated Worker Registry Data Collection and Management Guidance | 10 CFR 850.39(h) |